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TECHNOLOGY GROUP

Your **definitive** source for quality pre-owned equipment.

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Custom engineering
so your equipment works exactly as you specify.

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- In stock / Ready-to-ship
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Expert team | Trust guarantee | 100% satisfaction

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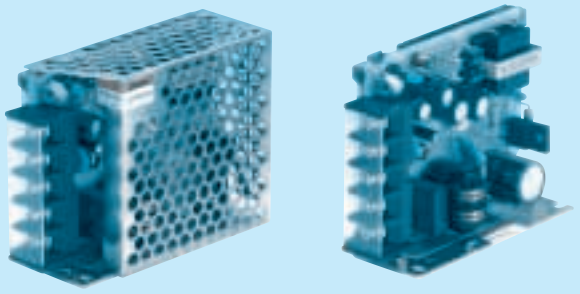
Find the *Cosel R15A-24-N* at our website: *Click HERE*

COSEL AC-DC Power Supplies Enclosed type

R15A

R

RoHS



Ordering information

R 15A -5 -□

①Series name
②Output wattage
③Output voltage
④Optional ＊2
C :with Coating
G :Low leakage current
J :Connector type
N :with Cover

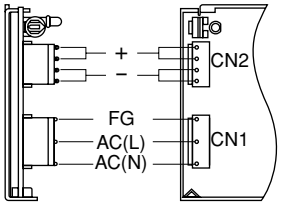
MODEL	R15A-3	R15A-5	R15A-9	R15A-12	R15A-15	R15A-18	R15A-24
MAX OUTPUT WATTAGE[W]	9	15	15.3	15.6	15	15.3	16.8
DC OUTPUT	3V 3.0A	5V 3A	9V 1.7A	12V 1.3A	15V 1.0A	18V 0.85A	24V 0.7A

SPECIFICATIONS

	MODEL		R15A-3	R15A-5	R15A-9	R15A-12	R15A-15	R15A-18	R15A-24
INPUT	VOLTAGE[V]		AC85 - 132 1φ or DC110 - 170						
	CURRENT[A]	ACIN 100V	0.37typ (Io=100%)						
	FREQUENCY[Hz]		47 - 440 or DC						
	EFFICIENCY[%]		68typ	72typ	73typ	75typ	75typ	76typ	78typ
	INRUSH CURRENT[A]	ACIN 100V	20typ (Io=100%) (At cold start)						
	LEAKAGE CURRENT[mA]		0.5max (According to UL, CSA and DEN-AN)						
OUTPUT	VOLTAGE[V]		3	5	9	12	15	18	24
	CURRENT[A]		3.0	3.0	1.7	1.3	1.0	0.85	0.7
	LINE REGULATION[mV]		20max	20max	36max	48max	60max	72max	96max
	LOAD REGULATION[mV]		40max	40max	100max	100max	120max	120max	150max
	RIPPLE[mVp-p]	0 to +50℃	80max	80max	120max	120max	120max	120max	120max
		-10 - 0℃	140max	140max	160max	160max	160max	160max	160max
	RIPPLE NOISE[mVp-p]	0 to +50℃	120max	120max	150max	150max	150max	150max	150max
		-10 - 0℃	160max	160max	180max	180max	180max	180max	180max
	TEMPERATURE REGULATION[mV]	0 to +50℃	50max	50max	90max	120max	150max	180max	240max
		-10 to +50℃	60max	60max	120max	150max	180max	200max	290max
	DRIFT[mV]	＊1	20max	20max	36max	48max	60max	72max	96max
	START-UP TIME[ms]		100max (ACIN 85V, Io=100%)						
	HOLD-UP TIME[ms]		10typ (ACIN 85V, Io=100%, 0 to +50℃) 20typ (ACIN 100V, Io=100%, 0 to +50℃)						
	OUTPUT VOLTAGE ADJUSTMENT RANGE[V]		2.85 - 3.6	4.5 - 5.5	8.1 - 9.9	10.8 - 13.2	13.5 - 16.5	16.2 - 19.8	21.6 - 26.4
PROTECTION CIRCUIT AND OTHERS	OVERCURRENT PROTECTION		Works over 105% of rating and recovers automatically (ACIN 100V)						
	OVERVOLTAGE PROTECTION		4.00V min	Works over 115% of rating (By zener diode clamping)					
	OPERATING INDICATION		LED (Green)						
	REMOTE SENSING		Not provided						
	REMOTE ON/OFF		Not provided						
ISOLATION	INPUT-OUTPUT		AC2,000V 1minute, Cutoff current = 10mA max, DC500V 50MΩ min (At Room Temperature)						
	INPUT-FG, COVER		AC2,000V 1minute, Cutoff current = 10mA max, DC500V 50MΩ min (At Room Temperature)						
	OUTPUT-FG, COVER		AC500V 1minute, Cutoff current = 100mA max, DC500V 50MΩ min (At Room Temperature)						
ENVIRONMENT	OPERATING TEMP.,HUMID.AND ALTITUDE		-10 to +60℃, 20 - 90%RH (Non condensing) (Refer to DERATING CURVE), 3,000m (10,000feet) max						
	STORAGE TEMP.,HUMID.AND ALTITUDE		-20 to +75℃, 20 - 90%RH (Non condensing), 9,000m (30,000feet) max						
	VIBRATION		10 - 55Hz, 19.6m/s² (2G), 3minutes period, 60minutes each along X, Y and Z axis						
	IMPACT		196.1m/s² (20G), 11ms, once each X, Y and Z axis						
SAFETY AND NOISE REGULATIONS	AGENCY APPROVALS		UL60950-1, C-UL Complies with DEN-AN						
	CONDUCTED NOISE		Complies with FCC-B, VCCI-B						
OTHERS	CASE SIZE/WEIGHT		30×69×84mm (W×H×D) / 200g max (without cover)						
	COOLING METHOD		Convection						

＊1 Drift is the change in DC output for an eight hour period after a half-hour warm-up at 25℃, with the input voltage held constant at the rated input/output.
＊2 Please contact us about safety approvals for the model with option.
＊ Avoid prolonged use under over-load.
＊ Series/Parallel operation with other model is not possible.
＊ Derating is required when operated with case cover.

External view



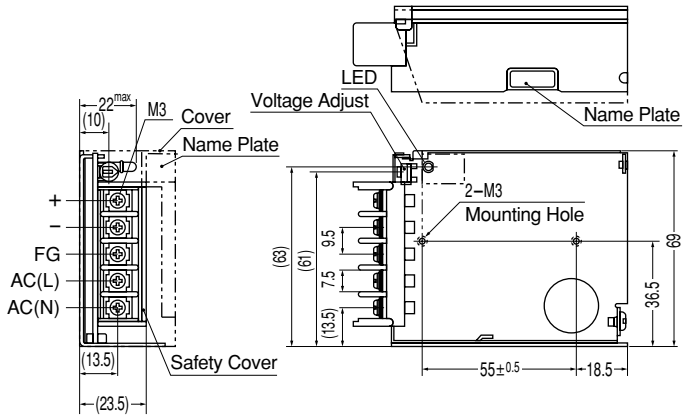
I/O Connector		Mating Housing
CN1	B3P5-VH	VHR-5N
CN2	B4P-VH	VHR-4N

(Mfr : J.S.T.)

Terminal
Chain: SVH-21-P1.1
Loose: BVH-21-P1.1

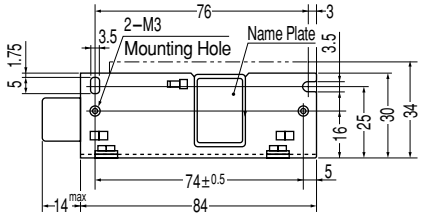
(Mfr : J.S.T.)

Connector type



※Weight : 200g or less
(without cover)
※Cover is optional
※Tolerance : ±1
※Dimensions in mm.

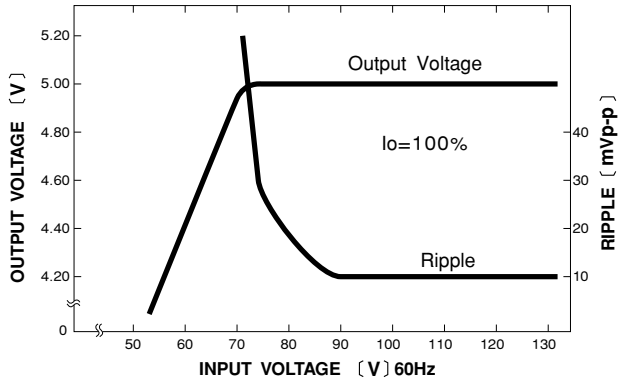
Barrier strip type



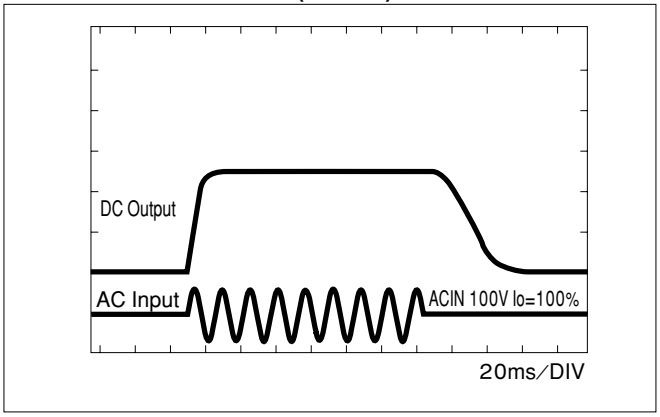
Mounting torque: 0.6N•m (6.3kgf•cm) max

Performance data

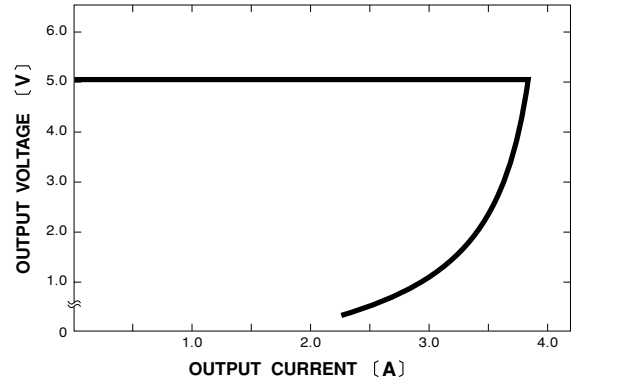
■STATIC CHARACTERISTICS (R15A-5)



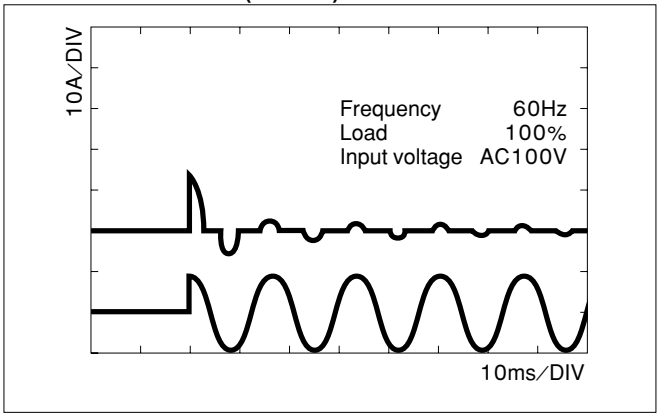
■RISE TIME & FALL TIME (R15A-5)



■OVERCURRENT CHARACTERISTICS (R15A-5)



■INRUSH CURRENT (R15A-5)



Artisan Technology Group is an independent supplier of quality pre-owned equipment

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